

Comparisons of Job Characteristics

Focus Occupation: Forest and Conservation Workers (45-4011)

Associated Occupation: First-Line Supervisors of Farming, Fishing, and Forestry Workers (45-1011)

[Compare Knowledge](#)

[Compare Skills](#)

[Compare Abilities](#)

[Compare Detailed Work Activities](#)

[Compare Tools and Technologies](#)

<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

Knowledge

Similarity of Focus Occupation to Associated Occupation: 56

Focus Occupation: Forest and Conservation Workers (45-4011)

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Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Mechanical	6.8	11.3	9.2	<	Expanded education and/or training may be required
Administration and Management	8.4	11.2	11.7	0	Current knowledge level may be sufficient
Production and Processing	6.0	9.9	8.7	<	Expanded education and/or training may be required
Personnel and Human Resources	5.6	8.1	9.3	>	Current knowledge level is likely sufficient
Biology	3.7	8.0	12.8	>>	Current knowledge level is likely more than sufficient
Food Production	2.1	6.5	2.2	<<	Extensive education and/or training may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Skills

Similarity of Focus Occupation to Associated Occupation: 87

Focus Occupation: Forest and Conservation Workers (45-4011)

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Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Monitoring	9.9	13.1	9.3	<<	Extensive development of skills in this area may be required
Management of Personnel Resources	6.9	12.3	7.2	<<	Extensive development of skills in this area may be required
Time Management	8.9	12.2	8.0	<<	Extensive development of skills in this area may be required

Coordination	9.1	11.9	9.6	<	A higher skill level may be required
Management of Material Resources	3.7	8.8	5.5	<<	Extensive development of skills in this area may be required
Management of Financial Resources	3.3	8.5	3.7	<<	Extensive development of skills in this area may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Abilities		Similarity of Focus Occupation to Associated Occupation: 88			
Focus Occupation: Forest and Conservation Workers (45-4011) Associated Occupation: First-Line Supervisors of Farming, Fishing, and Forestry Workers (45-1011)					
Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Far Vision	7.8	10.8	8.1	<<	Extensive improvement in abilities may be required
Depth Perception	5.3	8.6	7.7	<	Some improvement in abilities may be required
Time Sharing	6.6	8.5	6.8	<	Some improvement in abilities may be required
Glare Sensitivity	2.6	5.3	5.0	0	Current ability level may be sufficient
Spatial Orientation	2.7	5.3	6.5	>	Current ability level is likely sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Activities that Both Occupations Have in Common		Similarity of Focus Occupation to Associated Occupation: 81
Focus Occupation: Forest and Conservation Workers (45-4011) Associated Occupation: First-Line Supervisors of Farming, Fishing, and Forestry Workers (45-1011)		
Work Activities	Exclusivity of Activity	
Identify crop characteristics	75	
Plant, cultivate, or harvest crops, including aquaculture	80	
Recognize plant diseases	72	
Recognize tree or forest plant species	78	
Understand second language	75	
Use chain saws	78	
Use herbicides, fertilizers, pesticides or related products	71	
Use plant disease control techniques	75	

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Tools and Technologies that Both Occupations Have in Common

Similarity of Focus
Occupation to Associated
Occupation: 84

Focus Occupation: Forest and Conservation Workers (45-4011)

Associated Occupation: First-Line Supervisors of Farming, Fishing, and Forestry Workers (45-1011)

Tools and Technologies	Exclusivity
Agricultural machinery for harvesting	35
Agricultural machinery for planting and seeding	33
Agricultural machinery for soil preparation	35
Audio and visual equipment	4
Computer data input devices	2
Computers	1
Content authoring and editing software	1
Cutting and crimping and punching tools	3
Dispensing tools	6
Dispersing and spraying appliances for agriculture	26
Earth moving machinery	11
Face and head protection	7
Forestry machinery and equipment	31
Forming tools	2
Garden tools	12
Heavy equipment components	21
Information exchange software	1
Measuring and layout tools	3
Personal communication devices	2
Power tools	2
Product and material transport vehicles	13
Pumps	9
Recreational watercraft	40
Specialized and recreational vehicles	17
Wrenches and drivers	2

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.